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(54) RUST PREVENTING AND STAMPING OIL COMPOSITION

(57)Abstract:

PROBLEM TO BE SOLVED: To obtain the subject composition excellent in lubrication, rust-prevention and degreasing and capable of being coated without trouble by a current coating line for a rust-preventing oil by formulating a rust-preventing agent, an over based Ca sulfonate, a sulfur-based extreme-pressure agent and potassium borate with a lubricant base oil.

SOLUTION: This rust preventing and stamping oil composition is obtained by formulating (A) a rust-preventing agent (preferably an oxidized wax derivative and a metal sulfonate), (B) an over based Ca sulfonate (e.g. Ca salt of an alkylsulfonic acid), (C) a sulfur-based extreme-pressure agent (preferably an oil and fat sulfide) and (D) a potassium borate dispersion with a lubricant base oil (preferably the one having 2-40 mm²/s kinetic viscosity at 40° C). Further, the composition preferably contains 2-10 wt.% component A, 0.6-2.2 wt.% component B in terms of Ca part, (C) 0.3-2 wt.% component C in terms of sulfur part, and 0.2-0.7 wt.% component D in terms of boron part based on the whole amount of the composition. The objective composition preferably has 2-30 mm²/s kinetic viscosity at 40° C.

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